Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A vaccine composition against infection of ~~*M.*~~ *Mannheimia haemolytica* in cattle comprising an effective immunizing amount of at least one immunogen selected from the group consisting of (i) recombinant PlpE outer membrane protein of ~~*M.*~~ *Mannheimia haemolytica*, (ii) an antigenic subunit of thereof, and (iii) recombinant PlpE outer membrane protein of ~~*M.*~~ *Mannheimia haemolytica* or antigenic subunits thereof in combination with at least one other antigen against ~~*M.*~~ *Mannheimia haemolytica*, and further comprising a pharmaceutically acceptable carrier or diluent.

2. (original) The composition according to claim 1, wherein said carrier is an adjuvant.

3. (currently amended) The composition according to claim 1, wherein said recombinant PlpE outer membrane protein of ~~*M.*~~ *Mannheimia haemolytica* comprises the ~~polypeptide~~ amino acid sequence of SEQ ID NO: 2.

4. (currently amended) The composition according to claim 3, wherein said subunits are selected from the group consisting of the ~~polypeptides~~ amino acid sequences of SEQ ID NOS: 11-18.

5. (currently amended) The composition of claim 1, wherein the subunit comprises the ~~polypeptide~~ amino acid sequences of SEQ ID NO: 12.

6. (Withdrawn) A method for inducing an immune response in cattle to provide immune protection against BRD and/or shipping fever, comprising administering to an at-risk bovine an effective amount of the vaccine composition of claim 1.

7. (Withdrawn) The method according to claim 6, wherein the amount of vaccine composition includes between 10-100 μg of recombinant PlpE outer membrane protein of *M. haemolytica* or antigenic subunits of therof.

8. (Withdrawn) The method according to claim 7, wherein the amount of vaccine composition includes about 100 μg of recombinant PlpE outer membrane protein of *M. haemolytica* or antigenic subunits of thereof.